

**10/582500**

Case serial number: 10582500

Class / Subclass(es): 424/059

Earliest Priority Filing Date: 12/11/2003

Format preferred for results:

Attachment: No.

Search Topic Information:

Please search the following terms: spray gun, water repellent, the self tanning substances of claim 23, water, and elevated temperature. Thanks

**10/582500**

\*\*\*\*\* INVENTOR RESULTS \*\*\*\*\*

=> d his 170

(FILE 'HCAPLUS' ENTERED AT 11:55:54 ON 18 JUN 2008)  
L70 20 S L69 AND L26

=> d que 170

L26 91273 SEA FILE=HCAPLUS ABB=ON PLU=ON COSMET?  
L56 18 SEA FILE=HCAPLUS ABB=ON PLU=ON ("HITZEL S"/AU OR "HITZEL  
SABINE"/AU)  
L57 38 SEA FILE=HCAPLUS ABB=ON PLU=ON ("DRILLER HANSJUEGEN"/AU OR  
"DRILLER HANSJUERGEN"/AU OR "DRILLER HANSJURGEN"/AU)  
L58 104 SEA FILE=HCAPLUS ABB=ON PLU=ON ("BUCHHOLZ HERWIG"/AU OR  
"BUCHHOLZ HERWIG A"/AU)  
L59 2 SEA FILE=HCAPLUS ABB=ON PLU=ON "HORNUNG SILKE"/AU  
L60 10 SEA FILE=HCAPLUS ABB=ON PLU=ON "MARCHIO FRANCOIS"/AU  
L61 5 SEA FILE=HCAPLUS ABB=ON PLU=ON "PFLUCKER F"/AU  
L62 16 SEA FILE=HCAPLUS ABB=ON PLU=ON ("ROSSKOPF R"/AU OR "ROSSKOPF  
RALF"/AU)  
L63 9 SEA FILE=HCAPLUS ABB=ON PLU=ON L56 AND ((L57 OR L58 OR L59  
OR L60 OR L61 OR L62))  
L64 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L57 AND ((L58 OR L59 OR L60  
OR L61 OR L62))  
L65 14 SEA FILE=HCAPLUS ABB=ON PLU=ON L58 AND ((L59 OR L60 OR L61  
OR L62))  
L66 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L59 AND ((L60 OR L61 OR L62))  
  
L67 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L60 AND ((L61 OR L62))  
L68 0 SEA FILE=HCAPLUS ABB=ON PLU=ON L61 AND L62  
L69 25 SEA FILE=HCAPLUS ABB=ON PLU=ON (L63 OR L64 OR L65 OR L66 OR  
L67 OR L68)  
L70 20 SEA FILE=HCAPLUS ABB=ON PLU=ON L69 AND L26

=> d his 194

(FILE 'BIOSIS, KOSMET, DRUGU, BIOTECHNO, PASCAL' ENTERED AT 12:21:41 ON  
18 JUN 2008)  
L94 4 S L93 AND L26  
SAVE TEMP L94 BRO500MULTIN/A

FILE 'STNGUIDE' ENTERED AT 12:34:10 ON 18 JUN 2008

=> d que 194

L26 91273 SEA FILE=HCAPLUS ABB=ON PLU=ON COSMET?  
L80 7 SEA HITZEL SABINE/AU  
L81 7 SEA DRILLER HANSJURGEN/AU  
L82 12 SEA BUCHHOLZ HERWIG/AU  
L83 0 SEA HORNUNG SILKE/AU  
L84 2 SEA MARCHIO FRANCOIS/AU  
L85 3 SEA PFLUCKER FRANK/AU  
L86 3 SEA ROSSKOPF RALF/AU  
L87 2 SEA L80 AND ((L81 OR L82 OR L83 OR L84 OR L85 OR L86))  
L88 0 SEA L81 AND ((L82 OR L83 OR L84 OR L85 OR L86))  
L89 4 SEA L82 AND ((L83 OR L84 OR L85 OR L86))  
L90 0 SEA L83 AND ((L84 OR L85 OR L86))  
L91 0 SEA L84 AND ((L85 OR L86))  
L92 1 SEA L85 AND L86  
L93 6 SEA (L87 OR L88 OR L89 OR L90 OR L91 OR L92)  
L94 4 SEA L93 AND L26

=> dup rem 170 194  
 DUPLICATE IS NOT AVAILABLE IN 'KOSMET'.  
 ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
 FILE 'HCAPLUS' ENTERED AT 12:35:25 ON 18 JUN 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE 'BIOSIS' ENTERED AT 12:35:25 ON 18 JUN 2008  
 Copyright (c) 2008 The Thomson Corporation  
 PROCESSING COMPLETED FOR L70  
 PROCESSING COMPLETED FOR L94  
 L95 24 DUP REM L70 L94 (0 DUPLICATES REMOVED)  
 ANSWERS '1-20' FROM FILE HCAPLUS  
 ANSWERS '21-24' FROM FILE BIOSIS

=> d 195 1-20 ibib ab; d 195 21-24 ibib ab

L95 ANSWER 1 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:698695 HCAPLUS Full-text  
 TITLE: Method for enhancing the tanning effect of skin  
 tanning agents by oxygen exclusion  
 INVENTOR(S): Rudolph, Thomas; Buehle, Philipp; Buchholz,  
 Herwig; Driller, Hansjuergen  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany  
 SOURCE: Ger. Offen., 23pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102006058237	A1	20080612	DE 2006-102006058237	20061211
PRIORITY APPLN. INFO.:			DE 2006-102006058237	20061211

AB The invention concerns a method for enhancing the tanning effect of skin tanning agents by reducing or eliminating the presence of oxygen by phys., chemical, biochem. or microbiol. means. The effected skin surface can be covered; antioxidants or reducing agents can be applied along with the tanning agents. Thus a composition contained (weight/weight%) glyceryl stearate, Steareth-26, Ceteth-20, stearyl alc. 8.0; cetearyl alc. 1.5; cetearyl ethylhexanoate 6.5; caprylic/capric triglyceride 6.5; stearoxy dimethicone 1.2; dimethicone 0.5; tocopheryl acetate 0.5; Pr paraben 0.05; propylene glycol 3.0; methylparaben 0.15; sodium bisulfite 0.5; perfume 0.1; water to 100.

L95 ANSWER 2 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:558906 HCAPLUS Full-text  
 DOCUMENT NUMBER: 147:15603  
 TITLE: Flavone sulfates and their use as antioxidants in  
 cosmetic, pharmaceutical and dietary  
 formulations  
 INVENTOR(S): Carola, Christophe; Buchholz, Herwig;  
 Rosskopf, Ralf  
 PATENT ASSIGNEE(S): Merck Patent GmbH, Germany  
 SOURCE: PCT Int. Appl., 69pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007057091	A1	20070524	WO 2006-EP10284	20061025
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

DE 102005055577 A1 20070524 DE 2005-102005055577 20051118

PRIORITY APPLN. INFO.: DE 2005-102005055577A 20051118

AB The present invention relates to novel flavones, characterized in that they are 7,8-dihydroxyflavone derivs. or salts thereof, and to formulations and mixts. comprising flavones, their preparation and use. The flavone sulfates are added to cosmetics, also in combination with sunscreens, to dietary supplements in combination with vitamins and flavoring materials and to drug delivery systems. Thus a composition contained (weight/weight): 7-hydroxy-8-sulfate flavone 5; UV-Pearl, OMC 30; polyglyceryl-3-dimerate 3; cera alba 0.3; hydrogenated castor oil 0.2; liquid paraffin 7; caprylic/capric triglyceride 7; hexyl laurate 4; PVP-eicosene copolymer 2; polypropylene glycol 4; magnesium sulfate 0.6; tocopherol 0.5; tocopheryl acetate 0.5; cyclomethicone 0.5; propylparaben 0.05; methylparaben 0.15; water to 100.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 3 OF 24 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:144250 HCPLUS Full-text  
 DOCUMENT NUMBER: 146:212660  
 TITLE: Tanning method using dihydroxyacetone or erythrulose at least once daily  
 INVENTOR(S): Pfluecker, Frank; Ritzel, Sabine; Driller, Hansjuergen; Hornung, Silke; Schuchmann, Heike  
 PATENT ASSIGNEE(S): Merck Patent GmbH, Germany  
 SOURCE: PCT Int. Appl., 56pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007014614	A1	20070208	WO 2006-EP6555	20060705
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,				

MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,  
 SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,  
 US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM  
 DE 102005036793 A1 20070208 DE 2005-102005036793 20050802  
 EP 1909920 A1 20080416 EP 2006-776127 20060705  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR  
 PRIORITY APPLN. INFO.: DE 2005-102005036793A 20050802  
 WO 2006-EP6555 W 20060705

AB The present invention relates to a method for tanning the human body and in particular for avoiding streaks during tanning, which method is characterized in that at least one formulation comprising from 0.1 to 1% by weight of at least one self-tanning substance is applied repeatedly, but at least once per day, to the human body or parts of the human body, and also relates to a cosmetic formulation which is suitable for said purpose. Thus a cream contained (weight/weight%): Tego Care 150 8.00; cetearyl alc. 1.50; cetearyl ethylhexanoate 6.50; caprylic/capric triglyceride 6.50; stearoxy dimethicone 1.20; dimethicone 0.50; propylparaben 0.05; propylene glycol 3.00; ectoin 0.30; methylparaben 0.15; water 71.45; dihydroxyacetone 0.25; perfume 0.10.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 4 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:945641 HCAPLUS Full-text  
 DOCUMENT NUMBER: 145:314817  
 TITLE: Preparation of chromen-4-ones as cosmetic sunscreens  
 INVENTOR(S): Carola, Christophe; Walenzyk, Thomas; Rosskopf,  
 Ralf; Buchholz, Herwig  
 PATENT ASSIGNEE(S): Merck Patent GmbH, Germany  
 SOURCE: PCT Int. Appl., 97pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006094601	A1	20060914	WO 2006-EP1282	20060213
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102005011534	A1	20060921	DE 2005-102005011534	20050310
EP 1856084	A1	20071121	EP 2006-706894	20060213
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				

PRIORITY APPLN. INFO.:

DE 2005-102005011534A 20050310

WO 2006-EP1282 W 20060213

OTHER SOURCE(S): CASREACT 145:314817; MARPAT 145:314817

AB Title compds. I [R1, R2 = H, CONR7R8; R3, R4, R5, R6 = H, OH, alkyl, etc.; R7 = H, alkyl; R8 = alkyl, etc.] were prepared For example, N-acylation of n-butylamine with Et chromone-2-carboxylate afforded claimed chromenone II in 86% yield. Compds. I are claimed useful for the reduction or prevention of the damaging effects of UV radiation on skin and hair.

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 5 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:168303 HCAPLUS Full-text

DOCUMENT NUMBER: 144:232807

TITLE: UV filtering compounds and their preparation and use in cosmetics

INVENTOR(S): Carola, Christophe; Pfluecker, Frank; Buchholz, Harwig; Driller, Hansjuergen; Neunhoeffer, Hans; Blyumin, Evgeniy, V.

PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

SOURCE: PCT Int. Appl., 138 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006018104	A1	20060223	WO 2005-EP8141	20050727
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 10200404039281	A1	20060223	DE 2004-102004039281	20040813
EP 1776351	A1	20070425	EP 2005-769795	20050727
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2008509176	T	20080327	JP 2007-525208	20050727
US 20080038213	A1	20080214	US 2007-573657	20070213
PRIORITY APPLN. INFO.:			DE 2004-102004039281A	20040813
			WO 2005-EP8141	20050727

OTHER SOURCE(S): CASREACT 144:232807; MARPAT 144:232807

AB Compds. described by the general formulas YOCH2C(:O)CH2XSpR (I) and YOCH2CH(OH)CH2XSpR (II) (X = O, S(O)<sub>m</sub>, or NR1; Y = R1, [Si(R2)<sub>2</sub>]qSiR3R4R5, or Sp-R; R1 = H, C1-30 alkyl, or R; R2-5 = independently selected C1-30 alkyl; Sp = -(CH<sub>2</sub>)<sub>n</sub>-, -(CH<sub>2</sub>)<sub>n</sub>-C(:O)-(CH<sub>2</sub>)<sub>o</sub>-, or -(CH<sub>2</sub>)<sub>n</sub>-C(:O)-(CH<sub>2</sub>)<sub>o</sub>-X-(CH<sub>2</sub>)<sub>p</sub>-; m = 0, 1, or 2; n, o, p, q = independently selected whole nos. in the range 0-40; and R = independently selected at each occurrence from UV-absorbing substituents having conjugated  $\pi$  electron systems with  $\geq 4$   $\pi$  electrons which may be substituted with  $\geq 1$  -Sp-X-CH<sub>2</sub>-C(:O)-CH<sub>2</sub>OH groups) are claimed. The use of II in the preparation of I, and methods for preparing both I and II, are also

described. Compns. incorporating the compds. in an appropriate vehicle are described, as are processes for preparing the compns. by mixing the compds. with an appropriate vehicle and other components. The use of the compds. and prepns. for prophylaxis against time- and/or light-induced aging of human skin and hair and for the reduction or prevention of the damaging effects of UV radiation on the skin.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 6 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:164854 HCAPLUS Full-text  
 DOCUMENT NUMBER: 144:234882  
 TITLE: Flavonoid complexes with cyclodextrins for skin and hair care.  
 INVENTOR(S): Buchholz, Harwig; Rosskopf, Ralf;  
 Carola, Christophe  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany  
 SOURCE: PCT Int. Appl., 95 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006018078	A1	20060223	WO 2005-EP7547	20050712
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102004038728	A1	20060302	DE 2004-102004038728	20040810
EP 1776388	A1	20070425	EP 2005-757978	20050712
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101001883	A	20070718	CN 2005-80026951	20050712
JP 2008509173	T	20080327	JP 2007-525194	20050712
US 20080045478	A1	20080221	US 2007-659842	20070209
IN 2007KN00793	A	20070713	IN 2007-KN793	20070306
PRIORITY APPLN. INFO.:			DE 2004-102004038728A	20040810
			WO 2005-EP7547	W 20050712

OTHER SOURCE(S): MARPAT 144:234882  
 AB Complexes I (R = H, CH<sub>3</sub>CO, or optionally branched C1-18 alkyl or hydroxyalkyl, CD =  $\alpha$ -,  $\beta$ - or  $\gamma$ -cyclodextrin,  $\alpha$  = 1 and  $p$  = 0.5 – 3) are used in compns. containing also antioxidants and UV-absorbers for preservation or improvement of the general condition of the skin or hair. Thus, heating a solution 3.1 g 2-hydroxypropyl ether  $\gamma$ -cyclodextrin in 25 mL water at 50°, adding a solution 0.25 g luteolin on 25 mL ethanol, mixing 3 days at 50°, removing ethanol and drying in vacuum at 40° and 200 mbar gave 1.71 g of the complex consisting of 1 mol luteolin and 2 mol  $\gamma$ -cyclodextrin used for skin lotion manufacture  
 REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS

L95 ANSWER 7 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:292580 HCAPLUS Full-text  
 DOCUMENT NUMBER: 144:317953  
 TITLE: Sunscreens containing a mixture of  
 2-phenylbenzimidazole-5-sulfonic acid and disodium  
 phenyldibenzimidazoletetrasulfonate  
 INVENTOR(S): Driller, Hansjuergen; Hitzel, Sabine  
 ; Pfluecker, Frank; Schuchmann, Heike  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany  
 SOURCE: Ger. Offen., 30 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004045482	A1	20060330	DE 2004-102004045482	20040920
BR 2005003754	A	20060516	BR 2005-3754	20050919
PRIORITY APPLN. INFO.:			DE 2004-102004045482A	20040920

AB The invention concerns sunscreens containing (a) 2-phenylbenzimidazole-5-sulfonic acid (Eusolex 232); (b) disodium phenyldibenzimidazoletetrasulfonate (Neo Heliopan AP); (c) a base; (d) a thickening agent; (e) water; optionally (f) addnl. UV-filters; (g) preservatives. Thus a composition contained (weight/weight%): Eusolex 232 15; Neo Heliopan AP 10; tromethamine 10.3; 1,2-propanediol 12.0; water to 100.

L95 ANSWER 8 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:1332909 HCAPLUS Full-text  
 DOCUMENT NUMBER: 147:284402  
 TITLE: Complete photoprotection: ultra and visible  
 AUTHOR(S): Pfluecker, Frank; Buenger, Joachim; Hitzel,  
 Sabine; Witte, Gabriele; Beck, Joern;  
 Lergenmueller, Matthias; Driller, Hansjuergen  
 CORPORATE SOURCE: Dep. Cosmetic Actives, Merck KgaA, Darmstadt, Germany  
 SOURCE: Cosmetic Technology (Milano, Italy) (2006), 9(6),  
 11-19  
 CODEN: CTECFI; ISSN: 1127-6312  
 PUBLISHER: C.E.C. sas  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Italian

AB A photoprotective composition containing three main ingredients, an encapsulated UVB silica filter, titanium dioxide and ectoine was presented. The protective activity of titanium oxide and ectoine against UV and vis radiation was studied. Ectoine also offers protection against immunosuppression and DNA damage.

REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 9 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:673311 HCAPLUS Full-text  
 DOCUMENT NUMBER: 143:158763  
 TITLE: Flavonoid complexes comprising cyclodextrins  
 INVENTOR(S): Wirth, Corinna; Rosskopf, Ralf;  
 Buchholz, Herwig  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

# 10/582500

SOURCE: PCT Int. Appl., 118 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005068484	A1	20050728	WO 2004-EP14729	20041227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 102004002787	A1	20050811	DE 2004-102004002787	20040119
EP 1718658	A1	20061108	EP 2004-804319	20041227
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1906204	A	20070131	CN 2004-80040675	20041227
JP 2007518750	T	20070712	JP 2006-549918	20041227
US 20070155695	A1	20070705	US 2006-586458	20060718
PRIORITY APPLN. INFO.:			DE 2004-102004002787A	20040119
			WO 2004-EP14729	W 20041227

OTHER SOURCE(S): MARPAT 143:158763

AB The invention relates to complexes of specific flavonoid derivs. of formula (I), to prepn. containing derivs. of this type, to corresponding methods for producing the flavonoid derivs. or prepn. containing the latter and to their use, in particular for the care, preservation or improvement of the general condition of the skin or hair. In formula (I): Z1 to Z4 and Z6 to Z10 represent independently of one another H, OH, CH<sub>3</sub>COO, alkoxy, hydroxyalkoxy, monoglycoside or oligoglycoside groups, whereby the alkoxy and hydroxyalkoxy groups can be branched or unbranched and can have between 1 and 18 C atoms; A-B represents 2 carbons joined by either a single or double bond; and Z5 represents a monoglycoside or oligoglycoside group, whereby at least one group, selected from specific benzo derivs., is bonded to said glycoside group by means of a resp. -O- group.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 10 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:564857 HCAPLUS Full-text  
 TITLE: Method of tanning human body by mysting or immersion  
 at elevated temperature  
 INVENTOR(S): Hitzel, Sabine; Driller,  
 Hansjuergen; Buchholz, Herwig;  
 Hornung, Silke; Marchio, Francois;  
 Pfluecker, Frank; Rosskopf, Ralf  
 PATENT ASSIGNEE(S): Merck Patent GmbH, Germany  
 SOURCE: PCT Int. Appl.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058270	A1	20050630	WO 2004-EP13006	20041117
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1703891	A1	20060927	EP 2004-797940	20041117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
JP 2007513897	T	20070531	JP 2006-543405	20041117
US 20070079754	A1	20070412	US 2006-582500	20060609
PRIORITY APPLN. INFO.:			US 2003-528472P	P 20031211
			WO 2004-EP13006	W 20041117

AB The present invention relates to the use of self-tanning substances for application to the human skin, with application taking place at elevated temperature, to corresponding methods of application to the human skin and to a cosmetic formulation which is suitable for said purpose. The application takes place in particular by misting or by immersion, e.g. in a bath-tub.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 11 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:155392 HCAPLUS Full-text  
 DOCUMENT NUMBER: 142:225267  
 TITLE: Synthesis and use of chromene-4-one derivatives for the care of skin and hair  
 INVENTOR(S): Carola, Christophe; Huber, Sylvia; Rosskopf, Ralf; Buchholz, Herwig  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany  
 SOURCE: Eur. Pat. Appl., 42 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1508327	A1	20050223	EP 2004-15739	20040705
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
DE 10337863	A1	20050317	DE 2003-10337863	20030818
JP 2005060398	A	20050310	JP 2004-236984	20040817
US 20050043398	A1	20050224	US 2004-920202	20040818
WO 2008025368	A1	20080306	WO 2006-EP8474	20060830
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,				

RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

US 20080027133 A1 20080131 US 2007-869192 20071009

PRIORITY APPLN. INFO.: DE 2003-10337863 A 20030818  
 US 2004-920202 A1 20040818

OTHER SOURCE(S): MARPAT 142:225267

AB The invention concerns the synthesis of chromene-4-one derivs. and their application in cosmetic and dermatol. compns. for protecting and treating skin and hair. Thus 5,7-diacetoxy-3-acetyl-2-methyl-chromene-4-one was prepared from 2,4,6-trihydroxyacetophenone and sodium acetate in acetic acid anhydride; the product was boiled with sodium carbonate to obtain 5,7-dihydroxy-2-methyl-chromene-4-one. The antiinflammatory activity of 5,7-dihydroxy-2-methyl-chromene-4-one was tested with the PGE2 assay. A W/O emulsion contained (weight/weight%): 5,7-dihydroxy-2-methyl-chromene-4-one 5; UV-pearl, OMC 30; polyglyceryl-3-dimerate 3; Cera alba 0.3; hydrogenated castor oil 0.2; liquid paraffin 7; caprylic/capric triglyceride 7; hexyl laurate 4; PVP/eicosene copolymer 2; propylene glycol 4; magnesium sulfate 0.6; tocopherol 0.5; cyclomethicone 0.5; propylparaben 0.05; methylparaben 0.15; water to 100.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 12 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1125499 HCAPLUS Full-text  
 DOCUMENT NUMBER: 143:407336  
 TITLE: Chromone complexes  
 INVENTOR(S): Carola, Christophe; Buchholz, Herwig;  
 Rosskopf, Ralf  
 PATENT ASSIGNEE(S): Merck Patent GmbH, Germany  
 SOURCE: Ger. Offen., 58 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004016250	A1	20051020	DE 2004-102004016250	20040402
WO 2005097772	A1	20051020	WO 2005-EP2369	20050307
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1732913	A1	20061220	EP 2005-715783	20050307
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1938289	A	20070328	CN 2005-80010152	20050307
US 20070191305	A1	20070816	US 2006-594752	20060929

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IN 2006KN02988	A	20070608	IN 2006-KN2988	20061017
PRIORITY APPLN. INFO.:			DE 2004-102004016250A	20040402
			WO 2005-EP2369	W 20050307

AB Chromone complexes useful in the care of skin and hair contain cyclodextrins and chromone derivs. of specified structure. The reaction of 2,4,6-trihydroxyacetophenone with Ac<sub>2</sub>O and NaOAc gave 5,7-diacetoxy-3-acetyl-2-methylchromen-4-one, refluxing of which with 10% aqueous Na<sub>2</sub>CO<sub>3</sub> gave 5,7-dihydroxy-2-methylchromen-4-one, reaction of which (0.2 g) with 3.4 g (hydroxypropyl)- $\gamma$ -cyclodextrin in EtOH at 50° gave 3.45 g 1:2 chromenone-cyclodextrin complex. Use of the complex in a skin lotion is exemplified.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 13 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:364015 HCAPLUS Full-text  
 DOCUMENT NUMBER: 136:385971  
 TITLE: Flavonoid compounds for use against oxidative stress and UV radiation  
 INVENTOR(S): Pfluecker, Frank; Buenger, Joachim; Driller, Hans-Juergen; Buchholz, Herwig; Rosskopf, Ralf  
 PATENT ASSIGNEE(S): Merck Patent GmbH, Germany  
 SOURCE: Eur. Pat. Appl., 30 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1205475	A1	20020515	EP 2001-126541	20011114
EP 1205475	B1	20041027		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
DE 10056400	A1	20020523	DE 2000-10056400	20001114
JP 2002193962	A	20020710	JP 2001-347280	20011113
US 20020106338	A1	20020808	US 2001-987439	20011114
AT 280764	T	20041115	AT 2001-126541	20011114
ES 2230224	T3	20050501	ES 2001-126541	20011114
US 20040202624	A1	20041014	US 2004-833137	20040428
US 7345090	B2	20080318		
PRIORITY APPLN. INFO.:			DE 2000-10056400	A 20001114
			US 2001-987439	B1 20011114

OTHER SOURCE(S): MARPAT 136:385971  
 AB Flavonoid compds., e.g I [X = O, S, NH; Y = O, S, NH; R<sub>1</sub> - R<sub>5</sub> = H, OH, OA; A = UV radiation absorbing group in the UVA and/or UVB range, such as A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub>, A<sub>4</sub>; Z = (CH<sub>2</sub>)<sub>m</sub>; Z<sub>1</sub> = (SO<sub>3</sub>M)<sub>n</sub>; Z<sub>2</sub> = (SO<sub>3</sub>M)<sub>k</sub>; n = 0 - 3; m = 0, 1; k = 0 - 4; M = H, Na, K; dashed line = single or double bond], were prepared for use against oxidative stress and UV radiation. Thus, flavonoid II was prepared from luteolin and 4-MeOC<sub>6</sub>H<sub>4</sub>CH:CHCOCl-(E) in CH<sub>2</sub>Cl<sub>2</sub> containing pyridine. Cosmetic formulations containing II were prepared for use as: skin lotions and creams, and sunscreen sprays, gels and lotions.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 14 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:363972 HCAPLUS Full-text  
 DOCUMENT NUMBER: 136:374544  
 TITLE: Conjugates of organic compounds with inorganic

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INVENTOR(S): pigments and usage in cosmetic and pharmaceutical skin preparations  
Buchholz, Herwig; Poetsch, Eike; Pfluecker, Frank; Anselmann, Ralf; Rosskopf, Ralf; Kirschbaum, Michael  
PATENT ASSIGNEE(S): Merck Patent Gmbh, Germany  
SOURCE: Eur. Pat. Appl., 47 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1205178	A2	20020515	EP 2001-126791	20011109
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
DE 10055588	A1	20020523	DE 2000-10055588	20001109
US 20020160027	A1	20021031	US 2001-10449	20011107
US 6673336	B2	20040106		
JP 2002193727	A	20020710	JP 2001-345440	20011109
PRIORITY APPLN. INFO.:			DE 2000-10055588	A 20001109

AB The invention concerns microparticle conjugates prepared from organic substances, e.g. sunscreens, antioxidants, preservatives, propellants and inorg. pigments, e.g. silica, alumina; the organic substances are covalently conjugated to the inorg. pigments via spacers that are formed on the pigment. Spacers contain elements from Groups 3A, 4A, 3B, 4B, 5B, and 6B. Thus Eusolex 232 was synthesized in a 4-hydroxybenzaldehyde reaction with chloroethanol followed by reaction with 1,2-phenylene diamine in the presence of 1-methyl-2-pyrrolidone and sodium disulfite. For pigment functionalization 50 g silica beads (Monospheres 500, 500 nm diameter containing 30 Si-ONa groups pro mm<sup>2</sup>) were reacted in 100 mL tetrahydrofuran with 1.39 mL trifluorosulfonic acid; the beads were filtered and treated with diisobutylaluminium hydroxyde to form the group SiO<sub>2</sub>-(OAl(iBu)<sub>2</sub>)<sub>30</sub>. An O/W skin lotion was prepared that contained (weight/weight%): Monosphere conjugate 1.00; Emulgator E 2155 3.00; Teginacid H 3.00; Imwitor 900 3.00; Lunacera M 1.00; Luvitol EHO 11.50; Cetiol 7.00; caprylic acid/caprylic acid triglyceride 7.00; 1,2-propanediol 4.00; allantoin 0.20; preservative q.s.; water to 100.

L95 ANSWER 15 OF 24 HCPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2002:363971 HCPLUS Full-text  
DOCUMENT NUMBER: 136:374543  
TITLE: Conjugates of organic compounds with inorganic  
pigments and usage in cosmetic and  
pharmaceutical skin preparations  
INVENTOR(S): Pfluecker, Frank; Anselmann, Ralf; Kirschbaum,  
Michael; Buchholz, Herwig; Driller,  
Hans Juergen  
PATENT ASSIGNEE(S): Merck Patent Gmbh, Germany  
SOURCE: Eur. Pat. Appl., 54 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

EP 1205177	A2	20020515	EP 2001-126788	20011109
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
DE 10055469	A1	20020523	DE 2000-10055469	20001109
US 20020150600	A1	20021017	US 2001-10142	20011107
US 6685924	B2	20040203		
JP 2002193785	A	20020710	JP 2001-345445	20011109
			DE 2000-10055469	A 20001109

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 136:374543

AB The invention concerns microparticle conjugates prepared from organic substances, e.g. sunscreens, antioxidants, preservatives, propellants and inorg. pigments, e.g. silica, alumina; the organic substances are covalently conjugated to the inorg. pigments via spacers. Thus a functionalized analog of Eusolex 9020 was synthesized from 4-t-butylbenzoic acid Me ester and 4-(2-propenoxy)-acetophenone in the presence of sodium methylate. The functionalized Eusolex 9020 analog was silanized with triethoxysilane and reacted with silica (Monospher 100) in ethanol under reflux. An O/W skin lotion was prepared that contained (weight/weight%): Monospher conjugate 1.00; Emulgator E 2155 3.00; Teginacid H 3.00; Imwitor 900 3.00; Lunacera M 1.00; Luvitol EHO 11.50; Cetiol 7.00; caprylic acid/caprylic acid triglyceride 7.00; 1,2-propanediol 4.00; allantoin 0.20; preservative q.s.; water to 100.

L95 ANSWER 16 OF 24 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:565022 HCPLUS Full-text

DOCUMENT NUMBER: 135:141981

TITLE: Benzofuranone formulations for protection against oxidative stress

INVENTOR(S): Pfluecker, Frank; Buchholz, Herwig;  
Rosskopf, Ralf; Buenger, Joachim

PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

SOURCE: PCT Int. Appl., 94 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055128	A1	20010802	WO 2001-EP652	20010122
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1250331	A1	20021023	EP 2001-902346	20010122
EP 1250331	B1	20041103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003524648	T	20030819	JP 2001-560987	20010122
AT 281446	T	20041115	AT 2001-902346	20010122
ES 2232590	T3	20050601	ES 2001-902346	20010122
US 20030060426	A1	20030327	US 2002-182385	20020729
US 6903134	B2	20050607		
PRIORITY APPLN. INFO.:			DE 2000-10003785	A 20000128
			DE 2000-10050237	A 20001011

OTHER SOURCE(S): MARPAT 135:141981

AB The invention relates to a cosmetic or pharmaceutical formulation comprising benzofuranone. The products are particularly suitable for the care of the skin in protecting against oxidative stress and ageing phenomena. Thus, a water-in-oil emulsion contained cetyltrimethicone copolyol 3.00, mineral oil 9.00, butylene glycol dicaprylate/dicaproate 9.00, C12-15 alkylbenzoate 9.00, ectoin 0.05, 4,6,3',4'-tetrahydroxybenzylcoumaran-3-one sulfate 0.50, glycerin 3.00, Mg sulfate 0.70, EDTA solution 1.00, preservative 0.50, and water to 100%.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 17 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:289165 HCAPLUS Full-text

DOCUMENT NUMBER: 132:308190

TITLE: Procedure for the production of luteolin and luteolin derivatives

INVENTOR(S): Buchholz, Herwig; Kraus, Christine; Rosskopf, Ralf; Lichtenberg, Alice

PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

SOURCE: Ger. Offen., 8 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19850572	A1	20000504	DE 1998-19850572	19981102
CA 2348392	A1	20000511	CA 1999-2348392	19991013
WO 2000026206	A1	20000511	WO 1999-EP7687	19991013
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914814	A	20010703	BR 1999-14814	19991013
EP 1124815	A1	20010822	EP 1999-953803	19991013
EP 1124815	B1	20040526		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528540	T	20020903	JP 2000-579594	19991013
CN 1131224	B	20031217	CN 1999-812944	19991013
AT 267822	T	20040615	AT 1999-953803	19991013
ES 2221453	T3	20041216	ES 1999-953803	19991013
US 6538021	B1	20030325	US 2001-830284	20010425
PRIORITY APPLN. INFO.:				
		DE 1998-19850283	A	19981030
		DE 1998-19850572	A	19981102
		WO 1999-EP7687	W	19991013

OTHER SOURCE(S): CASREACT 132:308190; MARPAT 132:308190

AB A procedure for the production of compds. I [R1 = H, (CH2)mOH; R2 = H, (CH2)nOH; R3 = H, (CH2)pOH; m, n, p = 2 - 8] is characterized by reduction of compds. II with aqueous alkaline media containing sodium dithionite. Thus, rutin in H2O was treated with Na2CO3 and Na2S2O to give luteolin (I; R1 = R2 = R3 = H). I can be used in the preparation of cosmetics.

L95 ANSWER 18 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:289143 HCAPLUS Full-text  
 DOCUMENT NUMBER: 132:308189  
 TITLE: Procedure for the production of luteolin and luteolin derivatives  
 INVENTOR(S): Buchholz, Herwig; Kraus, Christine;  
 Roschkopf, Ralf; Lichtenberg, Alice  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany  
 SOURCE: Ger. Offen., 8 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19850283	A1	20000504	DE 1998-19850283	19981030
DE 19850283	C2	20030403		
CA 2348392	A1	20000511	CA 1999-2348392	19991013
WO 2000026206	A1	20000511	WO 1999-EP7687	19991013
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914814	A	20010703	BR 1999-14814	19991013
EP 1124815	A1	20010822	EP 1999-953803	19991013
EP 1124815	B1	20040526		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528540	T	20020903	JP 2000-579594	19991013
CN 1131224	B	20031217	CN 1999-812944	19991013
AT 267822	T	20040615	AT 1999-953803	19991013
ES 2221453	T3	20041216	ES 1999-953803	19991013
US 6538021	B1	20030325	US 2001-830284	20010425
PRIORITY APPLN. INFO.:				
DE 1998-19850283 A 19981030				
DE 1998-19850572 A 19981102				
WO 1999-EP7687 W 19991013				

OTHER SOURCE(S): CASREACT 132:308189; MARPAT 132:308189  
 AB A procedure for the production of compds. I [R1 = H, (CH<sub>2</sub>)<sub>m</sub>OH; R2 = H, (CH<sub>2</sub>)<sub>n</sub>OH; R3 = H, (CH<sub>2</sub>)<sub>p</sub>OH; m, n, p = 2 - 8] is characterized by reduction of compds. II with aqueous alkaline media containing sodium dithionite. Thus, rutin in H<sub>2</sub>O was treated with Na<sub>2</sub>CO<sub>3</sub> and Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> to give luteolin (I; R1 = R2 = R3 = H). I can be used in the preparation of cosmetics.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 19 OF 24 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:289142 HCAPLUS Full-text  
 DOCUMENT NUMBER: 132:321014  
 TITLE: Procedure for the production of quercentin and isoquercentin derivatives  
 INVENTOR(S): Buchholz, Herwig; Roschkopf, Ralf  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

# 10/582500

SOURCE: Ger. Offen., 10 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19850282	A1	20000504	DE 1998-19850282	19981030
DE 19850570	A1	20000504	DE 1998-19850570	19981102
CA 2348728	A1	20000511	CA 1999-2348728	19991013
WO 2000026399	A2	20000511	WO 1999-EP7685	19991013
WO 2000026399	A3	20000810		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9914811	A	20010703	BR 1999-14811	19991013
EP 1124980	A2	20010822	EP 1999-953802	19991013
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002528132	T	20020903	JP 2000-579771	19991013
PRIORITY APPLN. INFO.:			DE 1998-19850570	A 19981102
			DE 1998-19850282	A 19981030
			WO 1999-EP7685	W 19991013

OTHER SOURCE(S): CASREACT 132:321014; MARPAT 132:321014

AB A procedure for the production of compds. of formula (I) is described, where m, n, p are independently 2-8 and R is OH or  $\beta$ -D-glucopyranose. These compds. are suitable as nutritional supplements or for use in cosmetic formulations, e.g., as UV filters.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 20 OF 24 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:325768 HCPLUS Full-text

DOCUMENT NUMBER: 130:356921

TITLE: Stable cosmetic formulation containing butylmethoxydibenzoylmethane

INVENTOR(S): Kurz, Thekla; Drillier, Hansjuergen; Hitzel, Sabine; Wille, Dorothee

PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9924006	A1	19990520	WO 1998-EP6901	19981031
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19750029	A1	19990520	DE 1997-19750029	19971112

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EP 1030650	A1	20000830	EP 1998-965147	19981031
EP 1030650	B1	20020213		
R: BE, DE, ES, FR, GB, IT, LU, NL				
JP 2001522789	T	20011120	JP 2000-520101	19981031
ES 2172951	T3	20021001	ES 1998-965147	19981031
US 20020150599	A1	20021017	US 2000-530733	20000505
US 6491930	B2	20021210		
PRIORITY APPLN. INFO.:			DE 1997-19750029	A 19971112
			WO 1998-EP6901	W 19981031

AB Aldehydes and ketones improve the stability of cosmetic formulations for the skin and hair containing butylmethoxydibenzoylmethane (I) as organic light protection filter in conjunction with inorg. light protection filters. The aldehydes and ketones bind to active sites on the surface of metal oxide particles and thereby prevent the loss of activity of I by formation of complexes of I with the oxide particles. Thus, an oil-in-water sunscreen cream contained I 1.00, Eusolex T-2000 5.00, Arlatone 983S 1.50, Arlatone 985 2.20, Brij 76 1.50, Miglyol 812 10.00, sorbitol 2.50, 1,2-propanediol 2.50, HCHO solution, Carbomer 934 0.50, tris(hydroxymethyl)aminomethane 0.36, and H2O to 100.00 weight%.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L95 ANSWER 21 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN

ACCESSION NUMBER: 2004:130003 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200400130681  
TITLE: Conjugate, its preparation and use.  
AUTHOR(S): Buchholz, Herwig [Inventor, Reprint Author]; Anselmann, Ralf [Inventor]; Driller, Hansjuergen [Inventor]; Kirschbaum, Michael [Inventor]; Pflucker, Frank [Inventor]  
CORPORATE SOURCE: Frankfurt am Main, Germany  
ASSIGNEE: Merck Patent GmbH, Darmstadt, Germany  
PATENT INFORMATION: US 6685924 20040203  
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Feb 3 2004) Vol. 1279, No. 1.  
<http://www.uspto.gov/web/menu/patdata.html>. e-file.  
ISSN: 0098-1133 (ISSN print).  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
ENTRY DATE: Entered STN: 3 Mar 2004  
Last Updated on STN: 3 Mar 2004  
AB The invention relates to a conjugate which can be used for preparing dermatological and cosmetic compositions. The invention also relates to processes for preparing such conjugate and to its use.

L95 ANSWER 22 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN

ACCESSION NUMBER: 2004:90339 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200400094554  
TITLE: Conjugate, its preparation and use.  
AUTHOR(S): Buchholz, Herwig [Inventor, Reprint Author]; Poetsch, Eike [Inventor]; Roskopp, Ralf [Inventor]; Anselmann, Ralf [Inventor]; Kirschbaum, Michael [Inventor]; Pflucker, Frank [Inventor]  
CORPORATE SOURCE: Frankfurt am Main, DE, USA

ASSIGNEE: Merck Patent, GmbH, Germany  
PATENT INFORMATION: US 6673336 20040106  
SOURCE: Official Gazette of the United States Patent and Trademark  
Office Patents, (Jan 6 2004) Vol. 1278, No. 1.  
<http://www.uspto.gov/web/menu/patdata.html>. e-file.  
ISSN: 0098-1133 (ISSN print).  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
ENTRY DATE: Entered STN: 11 Feb 2004  
Last Updated on STN: 11 Feb 2004  
AB The invention relates to a conjugate which can be used for preparing  
dermatological and cosmetic compositions. The invention also relates to  
processes for preparing such conjugate and to its use.

L95 ANSWER 23 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on  
STN  
ACCESSION NUMBER: 2003:197101 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200300197101  
TITLE: Method for producing luteolin and luteolin derivatives.  
AUTHOR(S): Buchholz, Harwig [Inventor, Reprint Author];  
Rosskopf, Ralf [Inventor]; Lichtenberg, Alice  
[Inventor]; Kraus, Christine [Inventor]  
CORPORATE SOURCE: Frankfurt, Germany  
ASSIGNEE: Merck Patent Gesellschaft, Darmstadt, Germany  
PATENT INFORMATION: US 6538021 20030325  
SOURCE: Official Gazette of the United States Patent and Trademark  
Office Patents, (Mar 25 2003) Vol. 1268, No. 4.  
<http://www.uspto.gov/web/menu/patdata.html>. e-file.  
ISSN: 0098-1133 (ISSN print).  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
ENTRY DATE: Entered STN: 16 Apr 2003  
Last Updated on STN: 16 Apr 2003  
AB Disclosed is a method for producing compounds of formula (I), wherein R1  
represents H or  $(CH_2)_m OH$ , R2 represents H or  $(CH_2)_n OH$ , R3 represents H or  
 $(CH_2)_p OH$  and m, n and p represent 2-8 independently from one another. Said  
compounds are particularly suitable for use as food supplements. They are  
highly suitable for use in cosmetic formulations as UV filters, for instance.

L95 ANSWER 24 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on  
STN  
ACCESSION NUMBER: 2003:68538 BIOSIS Full-text  
DOCUMENT NUMBER: PREV200300068538  
TITLE: Stable cosmetic formulation containing  
butylmethoxydibenzoylmethane.  
AUTHOR(S): Kurz, Thekla [Inventor, Reprint Author]; Driller,  
HansJurgen [Inventor]; Hitzel, Sabine  
[Inventor]; Wille, Dorothee [Inventor]  
CORPORATE SOURCE: Stefan-George-Weg, Germany  
ASSIGNEE: Merck Patent Gesellschaft MIT, Darmstadt, Germany  
PATENT INFORMATION: US 6491930 20021210  
SOURCE: Official Gazette of the United States Patent and Trademark  
Office Patents, (Dec 10 2002) Vol. 1265, No. 2.  
<http://www.uspto.gov/web/menu/patdata.html>. e-file.  
ISSN: 0098-1133 (ISSN print).  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
ENTRY DATE: Entered STN: 29 Jan 2003

**10/582500**

Last Updated on STN: 29 Jan 2003

AB The invention relates e.g. to the use of aldehydes and/or ketones for improving the stability of cosmetic formulations containing butylmethoxydibenzoylmethane as organic light protection filters in conjunction with inorganic light protection filters.

**10/582500**

\*\*\*\*\* QUERY RESULTS \*\*\*\*\*

=> d his 148

(FILE 'HCAPLUS' ENTERED AT 11:55:54 ON 18 JUN 2008)  
L48 6 S L41 OR L47

=> d que 148

L4	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	ERYTHRULOSE/CN
L5	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	40031-31-0/RN
L6	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	L4 OR L5
L8	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	NINHYDRIN/CN
L9	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	485-47-2/RN
L10	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	L8 OR L9
L11	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	JUGLONE/CN
L12	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	481-39-0/RN
L13	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	L11 OR L12
L14	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	LAWSONE/CN
L15	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	83-72-7/RN
L16	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	L14 OR L15
L17	51	SEA FILE=HCAPLUS ABB=ON	PLU=ON	GLYCEROL ALDEHYDE OR HYDROXYME THYL (W) GLYOXAL
L18	5	SEA FILE=HCAPLUS ABB=ON	PLU=ON	".GAMMA>()DIALDEHYDE"
L19	385	SEA FILE=HCAPLUS ABB=ON	PLU=ON	ERYTHRULOSE OR L6
L20	4	SEA FILE=HCAPLUS ABB=ON	PLU=ON	"6()ALDO()D()FRUCTOSE"
L21	10840	SEA FILE=HCAPLUS ABB=ON	PLU=ON	NINHYDRIN
L22	10970	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L21 OR L10
L23	2676	SEA FILE=HCAPLUS ABB=ON	PLU=ON	JUGLONE OR L13 OR LAWSONE OR L16
L24	14053	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23)
L25	173	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L24 (L) COS/RL
L26	91273	SEA FILE=HCAPLUS ABB=ON	PLU=ON	COSMET?
L27	150	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L24 AND L26
L28	245	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L25 OR L27
L31	50372	SEA FILE=HCAPLUS ABB=ON	PLU=ON	WATERPROOF? OR WATER(W) REPEL?
L32	1	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L31 AND L28
L35	104	SEA FILE=HCAPLUS ABB=ON	PLU=ON	SELF TAN? (2A) (FORMUL? OR LOTION? OR SOLUT? OR CREAM? OR AGENT# OR SUBSTANCE?)
L36	33	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L28 AND L35
L37	34	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L36 OR L32
L39	359777	SEA FILE=HCAPLUS ABB=ON	PLU=ON	(ELEVAT? OR RISING OR RISE# OR INCREAS?) (2A) TEMPERATURE?
L41	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L39 AND L35
L42	34	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L37 AND L24
L43	29	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L42 AND L26
L47	4	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L43 AND (SPRAY? OR MIST?)
L48	6	SEA FILE=HCAPLUS ABB=ON	PLU=ON	L41 OR L47

=> d his 179

(FILE 'BIOSIS, KOSMET, DRUGU, BIOTECHNO, PASCAL' ENTERED AT 12:21:41 ON  
18 JUN 2008)  
L79 0 S L76-L78

=> d que 179

L5	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	40031-31-0/RN
L9	1	SEA FILE=REGISTRY ABB=ON	PLU=ON	485-47-2/RN

# 10/582500

L11 1 SEA FILE=REGISTRY ABB=ON PLU=ON JUGLONE/CN  
 L12 1 SEA FILE=REGISTRY ABB=ON PLU=ON 481-39-0/RN  
 L13 1 SEA FILE=REGISTRY ABB=ON PLU=ON L11 OR L12  
 L14 1 SEA FILE=REGISTRY ABB=ON PLU=ON LAWSONE/CN  
 L15 1 SEA FILE=REGISTRY ABB=ON PLU=ON 83-72-7/RN  
 L16 1 SEA FILE=REGISTRY ABB=ON PLU=ON L14 OR L15  
 L17 51 SEA FILE=HCAPLUS ABB=ON PLU=ON GLYCEROL ALDEHYDE OR HYDROXYME  
     THYL(W) GLYOXAL  
 L18 5 SEA FILE=HCAPLUS ABB=ON PLU=ON ".GAMMA>()DIALDEHYDE"  
 L20 4 SEA FILE=HCAPLUS ABB=ON PLU=ON "6()ALDO()D()FRUCTOSE"  
 L21 10840 SEA FILE=HCAPLUS ABB=ON PLU=ON NINHYDRIN  
 L23 2676 SEA FILE=HCAPLUS ABB=ON PLU=ON JUGLONE OR L13 OR LAWSONE OR  
     L16  
 L31 50372 SEA FILE=HCAPLUS ABB=ON PLU=ON WATERPROOF? OR WATER(W) REPEL?  
  
 L35 104 SEA FILE=HCAPLUS ABB=ON PLU=ON SELF TAN? (2A) (FORMUL? OR  
     LOTION? OR SOLUT? OR CREAM? OR AGENT# OR SUBSTANCE?)  
 L39 359777 SEA FILE=HCAPLUS ABB=ON PLU=ON (ELEVAT? OR RISING OR RISE#  
     OR INCREAS?) (2A) TEMPERATURE?  
 L71 5269 SEA L17 OR L18 OR L20 OR L21 OR L23  
 L72 2458 SEA ERYTHRULOSE OR L5 OR L9 OR L12 OR L15  
 L73 5464 SEA L71 OR L72  
 L74 9 SEA L73 AND L35  
 L75 134 SEA L73 AND (SPRAY? OR MIST?)  
 L76 0 SEA L75 AND L35  
 L77 0 SEA L75 AND L39  
 L78 0 SEA L74 AND L31  
 L79 0 SEA (L76 OR L77 OR L78)

=> d 148 1-6 ibib ed abs hitind

L48 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1308466 HCAPLUS Full-text  
 DOCUMENT NUMBER: 147:527743  
 TITLE: Water-soluble polymeric containers for **self-tanning formulations**  
 INVENTOR(S): Chaudhuri, Ratan K.; Marchio, Francois; Lascu, Zoia;  
                   Canedi, Nadege Dumas  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 8pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070264209	A1	20071115	US 2007-714275	20070306
PRIORITY APPLN. INFO.:			US 2006-778973P	P 20060306

ED Entered STN: 16 Nov 2007  
 AB A water-soluble polymeric container having a **self-tanning agent** sealed  
     therein, a method for using said water-soluble container to form a **self-tanning formulation** and **self-tanning formulations** obtained therefrom are  
     described. Methods for using the **self-tanning formulations** are provided as  
     well as kits which include more than one water-soluble container. Thus, a  
     dual phase system composed of two individual polyvinyl alc. (PVA) bags  
     comprised (a) the active mixture containing the **self-tanning ingredient**,  
     dihydroxyacetone 99% and PVA bag 1%, and (b) the additives mixture containing

PVA bag 1%, Aloe vera powder 10%, sorbitol 20%, ectoin 5%, PEG-32 35%, erythrulose 28%, and citric acid 1%.

INCL 424059000; 424195170; 424736000; 514506000; 514557000; 514057000

CC 62-4 (Essential Oils and Cosmetics)

ST water sol polymer container self tanning agent

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
([(aminoethyl)amino]propyl hydroxy, di-Me, methoxy, copolymer with silesquioxane; sealed water-soluble polymeric containers for self-tanning formulations)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
([(aminoethyl)amino]propyl hydroxy, di-Me; sealed water-soluble polymeric containers for self-tanning formulations)

IT Polyelectrolytes  
(anionic; sealed water-soluble polymeric containers for self-tanning formulations)

IT Polyelectrolytes  
(cationic; sealed water-soluble polymeric containers for self-tanning formulations)

IT Polymers, biological studies

RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
(co-; sealed water-soluble polymeric containers for self-tanning formulations)

IT Silsesquioxanes

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(copolymer with methoxyamodimethicone; sealed water-soluble polymeric containers for self-tanning formulations)

IT Polyamines

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(dendrimers; sealed water-soluble polymeric containers for self-tanning formulations)

IT Dendrimers

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyamines; sealed water-soluble polymeric containers for self-tanning formulations)

IT Aloe barbadensis

Antioxidants

Bags

Chelating agents

Containers

Cosmetic creams

Cosmetic foams

Cosmetic gels

Cosmetic lotions

Cosmetic microemulsions

Cosmetic sprays

Flavoring materials

Human

Humectants

Permeation enhancers

Preservatives

Skin moisturizers

Stabilizing agents

Sunless tanning products  
(sealed water-soluble polymeric containers for self-tanning formulations)

IT Alcohols, biological studies

Amino acids, biological studies

Polyamines  
 Vitamins  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (sealed water-soluble polymeric containers for self-tanning formulations)

IT Polymers, biological studies  
 Polyoxyalkylenes, biological studies  
 RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
 (sealed water-soluble polymeric containers for self-tanning formulations)

IT 9002-88-4, Polyethylene  
 RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
 (high d.; sealed water-soluble polymeric containers for self-tanning formulations)

IT 50-70-4, Sorbitol, biological studies 50-71-5, Alloxan 56-82-6, Glyceraldehyde 64-17-5, Ethanol, biological studies 77-92-9, Citric acid, biological studies 83-72-7, 2-Hydroxy-1,4-naphthoquinone 91-56-5, Isatin 96-26-4, Dihydroxyacetone 111-30-8, Glutaraldehyde 481-39-0, 5-Hydroxy-1,4-naphthoquinone 485-47-2, Ninhydrin 99-7-10-4 1758-51-6, Erythrose 4744-65-4D, Pyrazoline-4,5-dione, derivs. 9002-98-6, Polyethylenimine 9004-98-2, Oleth-5 24937-47-1, Polyarginine 25104-18-1, Polylysine 25212-18-4, Polyarginine 27177-94-2 38000-06-5, Polylysine 40031-31-0, Erythralose 58066-70-9, Mesotartaric aldehyde 80451-84-9, D-lyxo-Hexos-5-ulose 96702-03-3, Ectoin 373604-51-4  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (sealed water-soluble polymeric containers for self-tanning formulations)

IT 50-21-5D, Lactic acid, ethers, biological studies 9000-07-1, Carrageenan 9000-69-5, Pectin 9002-89-5, Polyvinyl alcohol 9002-89-5D, Polyvinyl alcohol, esters and hydrolyzed derivs. 9003-04-7, Sodium polyacrylate 9003-20-7, Polyvinyl acetate 9004-34-6D, Cellulose, derivs. 9004-64-2, Hydroxypropyl cellulose 9004-65-3, Methylhydroxypropyl cellulose 9004-67-5, Methyl cellulose 9032-42-2, Methylhydroxyethyl cellulose 9041-56-9, Methylhydroxybutyl cellulose 25213-24-5, Vinyl acetate-vinyl alcohol copolymer 25322-68-3 26023-30-3, Poly[oxy(1-methyl-2-oxo-1,2-ethanediyl)] 26100-51-6, Polylactic acid 51811-40-6, Cellulose lactate 55777-59-8, Cellulose acetate lactate 160347-69-3, Lactic acid-vinyl alcohol graft copolymer 178357-89-6  
 RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
 (sealed water-soluble polymeric containers for self-tanning formulations)

L48 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:975592 HCAPLUS Full-text  
 DOCUMENT NUMBER: 143:271952  
 TITLE: Transparent self-tanning gels comprising a  
 hydrosoluble or hydrodispersible acrylamido-2-methylpropanesulfonic acid polymer  
 INVENTOR(S): Josso, Martrin  
 PATENT ASSIGNEE(S): L'oreal, Fr.  
 SOURCE: Eur. Pat. Appl., 15 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1570836	A1	20050907	EP 2005-290360	20050217
EP 1570836	B1	20080326		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU			
FR 2867070	A1	20050909	FR 2004-50439	20040304
AT 390177	T	20080415	AT 2005-290360	20050217
US 20050196364	A1	20050908	US 2005-71266	20050304
JP 2005247849	A	20050915	JP 2005-59880	20050304
JP 3876266	B2	20070131		
PRIORITY APPLN. INFO.:			FR 2004-50439	A 20040304
			US 2004-587063P	P 20040713
ED	Entered STN: 08 Sep 2005			
AB	Transparent self-tanning gels comprise a hydrosol. or hydrodispersible acrylamido-2-methylpropanesulfonic acid polymer, and a carbonyl compound. Thus, a gel contained dihydroxyacetone 5.0, Oramix CG-1101.5, MP-6123 1.0, and water 92.5%.			
IC	ICM A61K007-42			
CC	62-4 (Essential Oils and Cosmetics)			
IT	Cosmetics (emollients; transparent self-tanning gel comprising hydrosol. or hydrodispersible acrylamidomethylpropanesulfonic acid polymer)			
IT	Cosmetics (moisturizers; transparent self-tanning gel comprising hydrosol. or hydrodispersible acrylamidomethylpropanesulfonic acid polymer)			
IT	Antifoaming agents			
	Antioxidants			
	Crosslinking agents			
	Dyes			
	Insecticides			
	Perfumes			
	Preservatives			
	Propellants (sprays and foams)			
	Sequestering agents			
	Skin			
	Stabilizing agents			
	Suntanning agents			
	Thickening agents			
	UV A radiation			
	UV B radiation (transparent self-tanning gel comprising hydrosol. or hydrodispersible acrylamidomethylpropanesulfonic acid polymer)			
IT	50-71-5, 2,4,5,6(1H,3H)-Pyrimidinetetrone 51-17-2D, 1H-Benzimidazole, derivs. 56-82-6 69-72-7D, derivs. 76-22-2D, derivs. 91-56-5, 1H-Indole-2,3-dione 95-14-7D, 1H-Benzotriazole, derivs. 96-26-4 100-42-5D, alkyl derivs. 106-99-0D, Butadiene, aryl derivs. 111-30-8, Pentanodial 118-60-5 118-92-3D, derivs. 119-61-9D, derivs. 120-46-7D, derivs. 131-57-7 150-13-0D, derivs. 273-53-0D, Benzoxazole, derivs. 290-87-9D, 1,3,5-Triazine, derivs. 405-47-2 584-45-2D, derivs. 606-84-8D, derivs. 621-82-9D, derivs. 4065-45-6, Benzophenone-4 4744-65-4D, Pyrazoline-4,5-dione, derivs. 6197-30-4 6628-37-1 25022-72-4 28299-33-4D, derivs. 35641-59-9, MP 6123 36861-47-9, 4-Methylbenzylidene camphor 38193-60-1 40031-31-0 50614-02-3, Benzimidazyl 55141-01-0 57123-13-4 58066-70-9 58846-77-8 88122-99-0 90617-06-4 92761-26-7 108528-58-1 111286-86-3, MP 5955 134367-41-2 145941-62-4 154702-15-5 155633-54-8 183719-83-7 191419-26-8 197179-33-2, Oramix CG 110			

**10/582500**

288254-16-0 302776-68-7 360782-04-3D, derivs. 373604-51-4D, derivs.

501084-04-4, Simulgel NS 861153-64-2, Simulgel 800

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(transparent self-tanning gel comprising hydrosol. or hydrodispersible acrylamidomethylpropanesulfonic acid polymer)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:564857 HCAPLUS Full-textTITLE: Method of tanning human body by misting or immersion at **elevated temperature**

INVENTOR(S): Hitzel, Sabine; Driller, Hansjuergen; Buchholz, Herwig; Hornung, Silke; Marchio, Francois; Pfluecker, Frank; Rosskopf, Ralf

PATENT ASSIGNEE(S): Merck Patent Gmbh, Germany

SOURCE: PCT Int. Appl.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058270	A1	20050630	WO 2004-EP13006	20041117
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1703891	A1	20060927	EP 2004-797940	20041117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
JP 2007513897	T	20070531	JP 2006-543405	20041117
US 20070079754	A1	20070412	US 2006-582500	20060609
PRIORITY APPLN. INFO.:			US 2003-528472P	P 20031211
			WO 2004-EP13006	W 20041117

ED Entered STN: 30 Jun 2005

AB The present invention relates to the use of self-tanning substances for application to the human skin, with application taking place at **elevated temperature**, to corresponding methods of application to the human skin and to a cosmetic formulation which is suitable for said purpose. The application takes place in particular by misting or by immersion, e.g. in a bath-tub.IC ICM A61K007-48  
ICS A61K007-50

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:408503 HCAPLUS Full-text

DOCUMENT NUMBER: 136:406604

TITLE: Colored self-tanning compositions comprising cochineal carmine

INVENTOR(S): Josso, Martin  
 PATENT ASSIGNEE(S): L'Oreal, Fr.  
 SOURCE: PCT Int. Appl., 18 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002041867	A1	20020530	WO 2001-FR3570	20011114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816836	A1	20020524	FR 2000-15021	20001121
FR 2816836	B1	20030926		
AU 2002020783	A5	20020603	AU 2002-20783	20011114
PRIORITY APPLN. INFO.:			FR 2000-15021	A 20001121
			WO 2001-FR3570	W 20011114

ED Entered STN: 31 May 2002

AB The invention concerns a colored cosmetic and/or dermatol. composition, for topical use for skin tanning and/or browning, characterized in that it comprises in a cosmetically acceptable carrier, at least a monocarbonylated or polycarbonylated self-tanning agent, at least cochineal carmine and at least a UV filtering system selected among: (a) a filtering system comprising at least an active organic filter in UV-A and/or UV-B selected among camphor derivs.; triazine derivs.; benzotriazole derivs.; imidazolines; bis-benzoazolyl derivs.; methylene-bis-(hydroxyphenyl benzotriazole) derivs.; benzalmalonate derivs.; filter polymers and filter silicones;  $\alpha$ -alkylstyrene derived dimers or mixts. thereof; (b) a filtering system consisting of the association of organic UV filters; octocrylene, ethylhexyl methoxycinnamate and benzophenone-3. The inventive colored composition does not discolor in time and exhibits good self-tanning efficiency on the skin (coloring intensity and strength). The invention also concerns the use of said compns. for said cosmetic application. A red self-tanning cream contained Simulsol-165 (a mixture of glyceryl monostearate and PEG-100 stearate) 1.75, stearyl alc. 0.25, drometrizole trisiloxane 1.5, octyl methocycinnamate 7.5, terephthalylidene dicamphor sulfonic acid 0.5, stearoxytrimethylsilane 0.6, dimethicone 1, volatile silicone 8, dimethiconol 0.7, xanthan gum 0.2, glycerin 4, propylene glycol 4, dihydroxyacetone 5, CI 75470/carmine 0.01, Simulgel Eg (a polyacrylate gel) 2, sodium hydroxide q.s. pH = 6.3, preservative q.s., and water q.s. 100%.

IC ICM A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

IT Cosmetics

(aerosols; colored self-tanning compns. comprising cochineal carmine)

IT Anti-inflammatory agents

Antibacterial agents

Antioxidants

Insecticides

Opacifiers

Perfumes

Pigments, nonbiological

Preservatives  
 Propellants (sprays and foams)  
 Stabilizing agents  
 Sunscreens  
 Suntanning agents  
 Thickening agents  
 UV A radiation  
 UV B radiation  
 (colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (creams; colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (emollients; colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (gels; colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (lotions; colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (moisturizers; colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (mousses; colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (powders; colored self-tanning compns. comprising cochineal carmine)  
 IT Cosmetics  
 (sprays; colored self-tanning compns. comprising cochineal carmine)  
 IT 50-71-5, Alloxane 51-17-2D, Benzimidazole, derivs. 56-82-6,  
 Glyceraldehyde 69-72-7D, Salicylic acid, derivs. 79-10-7D, Acrylic acid, di-Ph derivs. 91-56-5, Isatin 95-14-7D, 1H-Benzotriazole, derivs. 96-26-4, Dihydroxyacetone 100-42-5D, Styrene, alkyl derivs. 101-05-3D, Triazine, derivs. 111-30-8, Glutaraldehyde 118-92-3D, Anthranilic acid, derivs. 119-61-9D, Benzophenone, derivs. 120-46-7D, Dibenzoylmethane, derivs. 131-57-7, Benzophenone 3 150-13-0D, p-Aminobenzoic acid, derivs. 485-47-2, Ninhydrin 584-45-2D, derivs. 621-82-9D, Cinnamic acid, derivs. 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1332-37-2, Iron oxide, biological studies 1343-78-8, Cochineal 1390-65-4, Carmine 2380-86-1D, 6-Hydroxyindole, derivs. 3131-52-0D, 1H-Indole-5,6-diol, derivs. 4744-65-4, Pyrazoline-4,5-dione 5466-77-3 6197-30-4, Octocrylene 11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies 28299-33-4D, Imidazoline, derivs. 36861-47-9 40031-31-0, Erythrulose 58066-70-9, Mesotartaric aldehyde 58087-02-8D, derivs. 88122-99-0 92761-26-7 103597-45-1 154702-15-5 155633-54-8, Drometrizole trisiloxane 180898-37-7 191419-26-8, Anisotriazine 373604-51-4  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (colored self-tanning compns. comprising cochineal carmine)  
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2000:622390 HCAPLUS Full-text  
 DOCUMENT NUMBER: 133:198423  
 TITLE: Self-tanning mousse containing nitrogen-free polymers and surfactants  
 INVENTOR(S): Castro, Mauricio; Woodin, Frederick W., Jr.

PATENT ASSIGNEE(S): Neutrogena Corp., USA  
 SOURCE: U.S., 6 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6113888	A	20000905	US 1999-333445	19990615
EP 1060736	A2	20001220	EP 2000-304365	20000523
EP 1060736	A3	20021120		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2311438	A1	20001215	CA 2000-2311438	20000613
CA 2311438	C	20051213		

PRIORITY APPLN. INFO.: US 1999-333445 A 19990615

ED Entered STN: 07 Sep 2000

AB The present invention relates to composition comprising a self-tanning agent, a nitrogen-free polymer, and a nitrogen-free surfactant for uses in cosmetol. products such as mousses. Thus, a mousse contained water 85.45, and cetyl hydroxyethyl cellulose 0.50, citric acid 0.20, sodium citrate -.35, dihydroxyacetone 5.00, erythrulose 0.50, Me gluceth-20 1.00, glycerin 1.00, 1,2-pentanediol 3.00, 2-methyl-1,3-propanediol 0.50, decyl glucoside 1.00, Phenonip 0.30, PPG-5 Ceteth-20 1.00%.

IC ICM A61K007-42

ICS A61K007-44; A61K007-00

INCL 424059000

CC 62-4 (Essential Oils and Cosmetics)

ST selftanning mousse cosmetic nitrogen free polymer; surfactant nitrogen free mousse suntan

IT Cosmetics

(aerosols; self-tanning mousse containing nitrogen-free polymers and surfactants)

IT Cosmetics

(emollients; self-tanning mousse containing nitrogen-free polymers and surfactants)

IT Cosmetics

(mousses; self-tanning mousse containing nitrogen-free polymers and surfactants)

IT Cosmetics

(nail lacquers; self-tanning mousse containing nitrogen-free polymers and surfactants)

IT Antimicrobial agents

Antioxidants

Buffers

Chelating agents

Dispersing agents

Emulsifying agents

Gums and Mucilages

Hair preparations

Humectants

Odor and Odorous substances

Perfumes

Preservatives

Propellants (sprays and foams)

Sunscreens

Suntanning agents

Surfactants

## Thickening agents

(self-tanning mousse containing nitrogen-free polymers and surfactants)

IT 56-81-5, Glycerin, biological studies 68-04-2, Sodium citrate 77-92-9, Citric acid, biological studies 96-26-4, 1,3-Dihydroxyacetone 99-96-7D, alkyl esters 2163-42-0, 2-Methyl-1,3,-propanediol 5343-92-0, 1,2,-Pantanediol 8066-38-4, Phenonip 9004-34-6, Cellulose, biological studies 9004-34-6D, Cellulose, derivs., biological studies 36653-82-4, Cetyl alcohol 37311-01-6 40031-31-0, 1,3,4-Trihydroxy-2-butanone 58846-77-8, Decyl glucoside 68239-42-9, Methyl gluceth 80455-45-4, Cetyl hydroxyethylcellulose 106392-12-5, Poloxamer RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(self-tanning mousse containing nitrogen-free polymers and surfactants)

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:217591 HCAPLUS Full-text

DOCUMENT NUMBER: 128:274896

ORIGINAL REFERENCE NO.: 128:54328h,54329a

TITLE: Stable cosmetic self-tanning agents

INVENTOR(S): Wadle, Armin

PATENT ASSIGNEE(S): Henkel K.-G.a.A., Germany

SOURCE: Ger., 8 pp.

CODEN: GWXXAW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19650473	C1	19980402	DE 1996-19650473	19961205
WO 9824406	A1	19980611	WO 1997-EP6613	19971127
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 942712	A1	19990922	EP 1997-953707	19971127
EP 942712	B1	20030326		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, FI				
JP 2001505570	T	20010424	JP 1998-524940	19971127
AT 235219	T	20030415	AT 1997-953707	19971127
ES 2194237	T3	20031116	ES 1997-953707	19971127
US 6348202	B1	20020219	US 1999-319297	19990604
PRIORITY APPLN. INFO.:			DE 1996-19650473	A 19961205
			WO 1997-EP6613	W 19971127

OTHER SOURCE(S): MARPAT 128:274896

ED Entered STN: 17 Apr 1998

AB Self-tanning compns. containing alkyl and/or alkenyl oligoglycosides, polyol poly-12-hydroxystearates, and dihydroxyacetone show improved stability during storage even at elevated temps. Thus, an oil-in-water self-tanning lotion comprising Eumulgin VL 75 (polyglyceryl-2 dipolyhydroxystearate + lauryl glucoside) 5.0, glyceryl stearate 5.0, dihydroxyacetone 2.0, coco glycerides 10.0, oleyl oleate 7.0, almond oil 3.0, and water to 100 parts had a viscosity of 7000 mPa s immediately after preparation and 6900 mPa s after 2 days' storage at 35°.

IC ICM A61K007-021

CC 62-4 (Essential Oils and Cosmetics)

ST polyol hydroxystearate stabilizer self tanning

IT lotion; cosmetic emulsion stabilizer alkyl alkenyl oligoglycoside  
Glycosides  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(alkyl oligoglycosides; stable cosmetic self-tanning  
agents)

IT Glycosides  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(oligoglycosides, alkenyl; stable cosmetic self-  
tanning agents)

IT Alcohols, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(polyhydric, esters with hydroxystearic acid; stable cosmetic  
self-tanning agents)

IT Cosmetics  
(self-tanning; stable cosmetic self-tanning  
agents)

IT Stabilizing agents  
(stable cosmetic self-tanning agents)

IT 96-26-4, Dihydroxyacetone 106-14-9D, 12-Hydroxystearic acid, esters with  
polyols 27836-64-2, Lauryl glucoside 144747-22-8 195889-53-3,  
Eumulgin VL 75  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(stable cosmetic self-tanning agents)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

**10/582500**

\*\*\*\*\* SEARCH HISTORY \*\*\*\*\*

=> d his nofile

(FILE 'HOME' ENTERED AT 11:47:22 ON 18 JUN 2008)

FILE 'HCAPLUS' ENTERED AT 11:47:33 ON 18 JUN 2008

L1 1 SEA ABB=ON PLU=ON US20070079754/PN  
D IBIB AB IT SC

FILE 'REGISTRY' ENTERED AT 11:49:18 ON 18 JUN 2008

L2 0 SEA ABB=ON PLU=ON GLYCEROL ALDEHYDE/CN  
L3 1 SEA ABB=ON PLU=ON GLYCEROL/CNS AND ALDEHYDE/CNS  
D SCAN  
D CN

E HYDROXMETHYLGLYOXAL/CN  
E HYDROXMETHYLGLYOXAL  
E "Γ DIALDEHYDE"/CN  
E ERYTHRULOSE  
E ERYTHRULOSE/CN

L4 1 SEA ABB=ON PLU=ON ERYTHRULOSE/CN  
D RN

L5 1 SEA ABB=ON PLU=ON 40031-31-0/RN

L6 1 SEA ABB=ON PLU=ON L4 OR L5  
E ?ALDO?/CNS AND ?FRUCTOSE?/CNS

L7 2086 SEA ABB=ON PLU=ON ?ALDO?/CNS AND ?FRUCTOSE?/CNS

L8 1 SEA ABB=ON PLU=ON NINHYDRIN/CN  
D RN

L9 1 SEA ABB=ON PLU=ON 485-47-2/RN

L10 1 SEA ABB=ON PLU=ON L8 OR L9  
E JUGLONE/CN

L11 1 SEA ABB=ON PLU=ON JUGLONE/CN  
D IDE

L12 1 SEA ABB=ON PLU=ON 481-39-0/RN

L13 1 SEA ABB=ON PLU=ON L11 OR L12

L14 1 SEA ABB=ON PLU=ON LAWSONE/CN  
D IDE

L15 1 SEA ABB=ON PLU=ON 83-72-7/RN

L16 1 SEA ABB=ON PLU=ON L14 OR L15

FILE 'HCA' ENTERED AT 11:55:50 ON 18 JUN 2008

FILE 'HCAPLUS' ENTERED AT 11:55:54 ON 18 JUN 2008

L17 51 SEA ABB=ON PLU=ON GLYCEROL ALDEHYDE OR HYDROXYMETHYL (W) GLYOXA  
L

L18 5 SEA ABB=ON PLU=ON ".GAMMA>() DIALDEHYDE"

L19 385 SEA ABB=ON PLU=ON ERYTHRULOSE OR L6

L20 4 SEA ABB=ON PLU=ON "6()ALDO()D()FRUCTOSE"

L21 10840 SEA ABB=ON PLU=ON NINHYDRIN

L22 10970 SEA ABB=ON PLU=ON L21 OR L10

L23 2676 SEA ABB=ON PLU=ON JUGLONE OR L13 OR LAWSONE OR L16

L24 14053 SEA ABB=ON PLU=ON (L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR  
L23)

L25 173 SEA ABB=ON PLU=ON L24 (L) COS/RL

L26 91273 SEA ABB=ON PLU=ON COSMET?

L27 150 SEA ABB=ON PLU=ON L24 AND L26

L28 245 SEA ABB=ON PLU=ON L25 OR L27

L29 2842 SEA ABB=ON PLU=ON (SPRAY? OR MIST?) (2A) GUN#

L30 0 SEA ABB=ON PLU=ON L28 AND L29

L31 50372 SEA ABB=ON PLU=ON WATERPROOF? OR WATER (W) REPEL?

L32 1 SEA ABB=ON PLU=ON L31 AND L28  
 D TI  
 D TI KWIC  
 E TANNING/CT  
 E E3+ALL  
 E SUNTAN LOTION/CT  
 E E8+ALL

L33 741 SEA ABB=ON PLU=ON ("SUNTANNING AGENTS"/CT OR "SUNTANNING PRODUCTS"/CT)

L34 55 SEA ABB=ON PLU=ON L28 AND L33

L35 104 SEA ABB=ON PLU=ON SELF TAN? (2A) (FORMUL? OR LOTION? OR SOLUT? OR CREAM? OR AGENT# OR SUBSTANCE?)

L36 33 SEA ABB=ON PLU=ON L28 AND L35  
 D KWIC L32 TI

L37 34 SEA ABB=ON PLU=ON L36 OR L32

L38 1 SEA ABB=ON PLU=ON L37 AND L31  
 D SCAN

L39 359777 SEA ABB=ON PLU=ON (ELEVAT? OR RISING OR RISE# OR INCREAS?)  
 (2A) TEMPERATURE?

L40 0 SEA ABB=ON PLU=ON L39 AND L37

L41 2 SEA ABB=ON PLU=ON L39 AND L35  
 D SCAN TI HIT

L42 34 SEA ABB=ON PLU=ON L37 AND L24

L43 29 SEA ABB=ON PLU=ON L42 AND L26

L44 1 SEA ABB=ON PLU=ON L43 AND L31

L45 0 SEA ABB=ON PLU=ON L43 AND L29

L46 0 SEA ABB=ON PLU=ON L43 AND L39

L47 4 SEA ABB=ON PLU=ON L43 AND (SPRAY? OR MIST?)  
 D SCAN

L48 6 SEA ABB=ON PLU=ON L41 OR L47

L49 1535 SEA ABB=ON PLU=ON BATH? (2A) (TABLET? OR GEL? OR CAPSUL?)

L50 0 SEA ABB=ON PLU=ON L43 AND L49

L51 90 SEA ABB=ON PLU=ON L49 AND (SPRAY? OR MIST?)

L52 2 SEA ABB=ON PLU=ON L51 AND L31  
 D SCAN

L53 0 SEA ABB=ON PLU=ON L51 AND L35

L54 0 SEA ABB=ON PLU=ON L51 AND L36

L55 0 SEA ABB=ON PLU=ON L24 AND L51  
 D SCAN  
 SAVE TEMP L48 BRO500HCAP/A  
 E HITZEL SABINE/AU

L56 18 SEA ABB=ON PLU=ON ("HITZEL S"/AU OR "HITZEL SABINE"/AU)  
 E DRILLER HANSJURGEN/AU

L57 38 SEA ABB=ON PLU=ON ("DRILLER HANSJUEGEN"/AU OR "DRILLER HANSJUERGEN"/AU OR "DRILLER HANSJURGEN"/AU)  
 E BUCHHOLZ HERWIG/AU

L58 104 SEA ABB=ON PLU=ON ("BUCHHOLZ HERWIG"/AU OR "BUCHHOLZ HERWIG A"/AU)  
 E HORNUNG SILKE/AU

L59 2 SEA ABB=ON PLU=ON "HORNUNG SILKE"/AU  
 E MARCHIO FRANCOIS/AU

L60 10 SEA ABB=ON PLU=ON "MARCHIO FRANCOIS"/AU  
 E PFLUCKER FRANK/AU

L61 5 SEA ABB=ON PLU=ON "PFLUCKER F"/AU  
 E ROSSKOPF RALF/AU

L62 16 SEA ABB=ON PLU=ON ("ROSSKOPF R"/AU OR "ROSSKOPF RALF"/AU)

L63 9 SEA ABB=ON PLU=ON L56 AND ((L57 OR L58 OR L59 OR L60 OR L61 OR L62))

L64 5 SEA ABB=ON PLU=ON L57 AND ((L58 OR L59 OR L60 OR L61 OR L62))

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L65 14 SEA ABB=ON PLU=ON L58 AND ((L59 OR L60 OR L61 OR L62))  
L66 1 SEA ABB=ON PLU=ON L59 AND ((L60 OR L61 OR L62))  
L67 1 SEA ABB=ON PLU=ON L60 AND ((L61 OR L62))  
L68 0 SEA ABB=ON PLU=ON L61 AND L62  
L69 25 SEA ABB=ON PLU=ON (L63 OR L64 OR L65 OR L66 OR L67 OR L68)  
L70 20 SEA ABB=ON PLU=ON L69 AND L26  
SAVE TEMP L70 BRO500HCAIN/A

FILE 'BIOSIS, KOSMET, DRUGU, BIOTECHNO, PASCAL' ENTERED AT 12:21:41 ON 18 JUN 2008

L71 5269 SEA ABB=ON PLU=ON L17 OR L18 OR L20 OR L21 OR L23  
L72 2458 SEA ABB=ON PLU=ON ERYTHRULOSE OR L5 OR L9 OR L12 OR L15  
L73 5464 SEA ABB=ON PLU=ON L71 OR L72  
L74 9 SEA ABB=ON PLU=ON L73 AND L35  
L75 134 SEA ABB=ON PLU=ON L73 AND (SPRAY? OR MIST?)  
L76 0 SEA ABB=ON PLU=ON L75 AND L35  
L77 0 SEA ABB=ON PLU=ON L75 AND L39  
L78 0 SEA ABB=ON PLU=ON L74 AND L31  
L79 0 SEA ABB=ON PLU=ON (L76 OR L77 OR L78)  
L80 7 SEA ABB=ON PLU=ON HITZEL SABINE/AU  
L81 7 SEA ABB=ON PLU=ON DRILLER HANSJURGEN/AU  
L82 12 SEA ABB=ON PLU=ON BUCHHOLZ HERWIG/AU  
L83 0 SEA ABB=ON PLU=ON HORNUNG SILKE/AU  
L84 2 SEA ABB=ON PLU=ON MARCHIO FRANCOIS/AU  
L85 3 SEA ABB=ON PLU=ON PFLUCKER FRANK/AU  
L86 3 SEA ABB=ON PLU=ON ROSSKOPF RALF/AU  
L87 2 SEA ABB=ON PLU=ON L80 AND ((L81 OR L82 OR L83 OR L84 OR L85 OR L86))  
L88 0 SEA ABB=ON PLU=ON L81 AND ((L82 OR L83 OR L84 OR L85 OR L86))  
L89 4 SEA ABB=ON PLU=ON L82 AND ((L83 OR L84 OR L85 OR L86))  
L90 0 SEA ABB=ON PLU=ON L83 AND ((L84 OR L85 OR L86))  
L91 0 SEA ABB=ON PLU=ON L84 AND ((L85 OR L86))  
L92 1 SEA ABB=ON PLU=ON L85 AND L86  
L93 6 SEA ABB=ON PLU=ON (L87 OR L88 OR L89 OR L90 OR L91 OR L92)  
L94 4 SEA ABB=ON PLU=ON L93 AND L26  
SAVE TEMP L94 BRO500MULTIN/A

FILE 'STNGUIDE' ENTERED AT 12:34:10 ON 18 JUN 2008

D QUE L70  
D QUE L94

FILE 'HCAPLUS, BIOSIS' ENTERED AT 12:35:25 ON 18 JUN 2008

L95 24 DUP REM L70 L94 (0 DUPLICATES REMOVED)  
ANSWERS '1-20' FROM FILE HCAPLUS  
ANSWERS '21-24' FROM FILE BIOSIS  
D L95 1-20 IBIB AB  
D L95 21-24 IBIB AB  
D QUE L48  
D QUE L79  
D L48 1-6 IBIB ED ABS HITIND